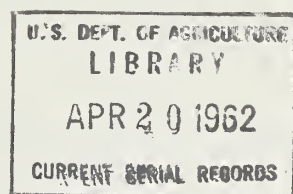


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BULK COOLING TANKS

on farms

*supplying federal
milk order markets*

MILK MARKETING ORDERS DIVISION
AGRICULTURAL STABILIZATION AND CONSERVATION SERVICE
UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.

ISSUED JULY 1961

BULK COOLING TANKS ON FARMS
SUPPLYING FEDERAL MILK ORDER MARKETS, JANUARY 1961

Compiled by Keister N. Adams, Programs and Standards Development Branch,
Milk Marketing Orders Division, ASCS

In January 1961, producers who used bulk milk cooling tanks represented 51.6 percent of all producers who delivered milk to handlers regulated under 78 Federal milk marketing orders. These producers delivered nearly twice as much milk per producer as did those who shipped in cans, and they supplied 66.8 percent of the total amount of milk received from producers in these markets. Daily deliveries of milk per producer for those using bulk tanks averaged 849 pounds, while can shippers averaged only 452 pounds per day per producer.

In 71 of the 78 markets, over half of the milk was delivered by producers who used bulk tanks. In 12 markets, all of the milk came from bulk tanks, and over 90 percent of the milk in 36 markets was from producers with bulk tanks. In four markets, New York-New Jersey, Philadelphia, Neosho Valley, and Northeastern Ohio, bulk tank milk was between 25 and 49 percent of total receipts from producers. The smallest proportion of bulk tank milk was received by handlers in Clarksburg, Michigan Upper Peninsula, and Fort Wayne. These were the only markets where milk received from producers with bulk tanks was less than 25 percent of total receipts from producers.

Information from a group of 49 markets for which data were available for the past six years shows the extent to which producers have converted to bulk handling of milk. In January 1956, receipts from producers having bulk tanks represented only 17.6 percent of the total in this group of markets. In 1961, bulk tank milk represented 76.6 percent of total receipts from producers, or an average increase of about 10 percent per year during this six-year period.

The number of bulk tanks, by size, was reported for 70 markets. Producers in these markets used a total of over 65 thousand tanks, most of which (59.5 percent) had capacities of 200-399 gallons. About 30 percent of the tanks had capacities of 400 gallons or more, while tanks of less than 200 gallons accounted for only 10.8 percent of the total number reported.

As in previous years, over half of the tank trucks which collected milk from farm tanks were owned by independent haulers. In nearly all of the markets, most of the bulk routes were serviced every other day, while daily collections were made on most can routes.

<p style="text-align:center">This publication was issued last year by the Agricultural Marketing Service as AMS-261 (1960).</p>

Table 1.--Milk receipts from producers having bulk milk tanks as percentage of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1956-61

Market	Bulk as percentage of total					
	1956	1957	1958	1959	1960	1961
NEW ENGLAND			Percent			
Boston 1/	8.6	14.2	20.6	28.9	38.7	51.5
Springfield	28.3	45.1	58.7	64.7	73.7	77.0
Worcester	33.4	44.2	56.8	68.5	81.2	64.7
Southeastern N. England:	2/	2/	2/	75.2	85.1	81.6
Group total					53.2	61.5
MIDDLE ATLANTIC						
New York-New Jersey	1.4	2/	2/	13.9	20.4	27.2
Philadelphia	5.3	8.3	10.6	17.4	26.4	36.7
Group total					21.2	28.5
SOUTH ATLANTIC						
Wilmington	2/	3/16.6	21.2	44.7	64.9	89.4
Upper Chesapeake Bay	2/	2/	2/	2/	2/	82.0
Washington, D. C.	2/	2/	2/	2/	96.3	96.7
Wheeling	3.9	9.5	20.0	32.7	42.9	55.9
Clarksburg	0	0	0	0	2.2	9.8
Tri-State	0	4.6	10.3	35.8	55.0	80.4
Bluefield	2/	29.8	62.9	72.1	86.4	91.8
Appalachian	13.7	28.0	55.1	61.5	70.6	84.9
Southeastern Florida	2/	2/	100.0	100.0	100.0	100.0
Group total 4/					82.2	89.0
Group total						87.4
EAST NORTH CENTRAL						
Eastern Group						
Upstate Michigan	2/	4.4	38.2	57.1	77.4	81.7
Muskegon	0	0	49.0	77.9	90.6	91.4
Southern Michigan 5/	2/	11.6	27.1	39.0	65.7	68.7
Toledo	1.8	16.9	34.8	64.7	85.2	97.5
Northeastern Ohio 6/	2.8	7.8	15.1	30.7	38.6	48.3
North Central Ohio	18.3	26.1	47.0	60.6	66.5	68.3
Columbus	.6	6.9	19.5	35.5	53.6	79.2
Dayton-Springfield	17.7	38.6	53.4	67.9	83.7	92.6
Cincinnati	8.2	21.8	34.2	44.9	59.6	66.5
Group total					60.7	67.5
Western Group						
Mich. Upper Peninsula	2/	2/	2/	13.2	19.5	20.0
Northeastern Wisconsin	2/	2/	2/	2/	87.7	89.8
Milwaukee	39.6	74.9	87.2	93.0	93.2	93.3
Rockford-Freeport	2/	65.7	88.6	100.0	100.0	100.0
Chicago	24.2	45.6	59.1	71.7	80.1	87.1
S.Bend-LaPorte-Elkhart	20.2	43.3	65.1	62.5	79.8	95.2
Fort Wayne	1.3	0	0	.4	1.4	22.5
Ohio Valley	2/	2/	2/	2/	2/	85.0
Suburban St. Louis	2/	2/	2/	2/	2/	59.7
Group total 4/					79.6	86.1
Group total						85.0

Continued

Table 1.--Milk receipts from producers having bulk milk tanks as percentage of total receipts from producers by handlers regulated under Federal milk orders for the month of January, 1956-61 -Continued

Market	Bulk as percentage of total					
	1956	1957	1958	1959	1960	1961
	Percent					
WEST NORTH CENTRAL						
Northern Group						
Duluth-Superior	0	16.3	33.9	41.0	54.1	61.9
Minneapolis-St. Paul	2/	61.8	86.5	91.1	95.1	96.9
Eastern South Dakota	24.7	80.7	87.6	100.0	100.0	100.0
Sioux Falls-Mitchell	71.3	85.6	93.3	94.0	97.7	98.0
Black Hills	52.0	74.4	93.9	96.5	100.0	100.0
North Central Iowa	2/	2/	94.5	95.8	95.7	96.1
Cedar Rapids-Iowa City	77.4	91.3	100.0	100.0	95.0	100.0
Quad Cities-Dubuque 7/	14.6	27.2	37.2	51.1	71.6	96.5
Des Moines	2/	2/	2/	26.2	66.4	94.9
Sioux City	0	0	0	41.3	100.0	100.0
Omaha-Lincoln-C.Bluffs	0	37.5	83.5	99.7	99.7	99.8
Platte Valley	2/	2/	87.8	97.9	98.5	97.9
Group total					88.8	95.4
Southern Group						
St. Louis	2.1	50.1	60.8	72.0	80.6	88.4
Ozarks	13.7	7.6	30.8	32.2	40.7	53.3
Kansas City	6.0	11.4	21.1	37.2	49.2	70.4
Neosho Valley	2.4	11.6	12.9	25.5	35.3	44.3
Wichita	42.6	77.8	92.0	99.4	89.2	90.6
Southwest Kansas	0	16.7	25.1	32.8	49.8	85.6
Group total					63.2	76.3
EAST SOUTH CENTRAL						
Louisville-Lexington 8/	26.9	89.1	93.6	94.4	99.2	95.4
Paducah	14.1	63.8	78.4	77.1	85.2	85.5
Nashville	15.4	28.9	55.5	65.6	76.0	87.2
Memphis	2/	1.7	13.6	25.4	48.0	68.5
Knoxville	5.8	12.4	16.7	26.1	48.3	59.7
Chattanooga	2/	14.2	28.7	52.9	80.0	99.5
Mississippi Delta	2/	2/	2/	53.8	75.5	84.6
Central Mississippi	4.5	2.3	8.4	22.2	59.1	81.9
Mississippi Gulf Coast	2/	2/	2/	12.3	28.9	60.1
Group total					72.2	83.6
WEST SOUTH CENTRAL						
Northern Group						
Central Arkansas	2/	21.3	32.1	44.0	47.2	93.2
Fort Smith	0	0	0	0	18.5	82.0
Oklahoma Metropolitan	9.2	25.5	37.0	49.4	69.7	83.8
Red River Valley	2/	2/	2/	71.2	77.5	85.1
Texas Panhandle	2.8	7.0	31.3	60.5	91.2	96.9
Group total					67.3	87.6

Continued

Table 1.--Milk receipts from producers **having bulk milk tanks as percentage of total** receipts from producers by handlers regulated under Federal milk orders for the month of January, 1956-61 -Continued

Market	Bulk as percentage of total					
	1956	1957	1958	1959	1960	1961
	<u>Percent</u>					
WEST SOUTH CENTRAL -Con.:						
Southern Group						
Northern Louisiana	1.5	13.1	13.1	92.8	95.1	98.7
New Orleans	.7	.9	11.3	23.0	38.2	62.2
North Texas	20.3	38.3	60.6	74.9	88.8	96.6
Central West Texas	6.6	20.4	55.6	98.7	99.0	100.0
Austin-Waco	15.5	33.8	53.1	81.1	89.8	91.1
San Antonio	16.6	16.8	35.1	65.4	98.1	100.0
Corpus Christi	31.2	45.5	59.6	85.2	87.3	93.7
Group total					82.1	90.2
MOUNTAIN						
Great Basin	2/	2/	2/	2/	92.3	97.9
Western Colorado	2/	2/	2/	80.8	78.6	76.4
Colorado Springs-Pueblo	2/	2/	2/	2/	85.0	95.3
Central Arizona	2/	96.8	96.5	98.8	100.0	99.8
Group total					94.6	97.7
PACIFIC						
Puget Sound 9/	81.0	84.5	90.0	94.3	96.9	98.9
Inland Empire	2/	0	24.5	86.2	92.3	97.4
Group total					96.3	98.7
TOTAL 4/					58.9	66.6
TOTAL						66.8
TOTAL 10/	17.6	33.2	45.0	58.1	67.4	76.6

1/ Includes Merrimack Valley prior to merger, July 1, 1959.

2/ Federal milk order not effective or data not reported.

3/ June 1957.

4/ 1961 percentages based on only those markets for which data were also reported for 1960.

5/ Known as Detroit prior to February 1, 1960.

6/ Cleveland and Akron-Stark County combined prior to merger August 1, 1959. Renamed Northeastern Ohio.

7/ Quad Cities and Dubuque combined prior to merger, January 1, 1961.

8/ Known as Louisville prior to March 1, 1960.

9/ Data reported for November of previous year.

10/ Percentages based on data for 49 markets for which reports were received for all six periods.

Table 2.--Number and percentage of producers having bulk milk tanks,
Federal milk order markets, January 1960 and January 1961

Market	Number of		Percentage of	
	producers		all producers	
	1960	1961	1960	1961
NEW ENGLAND	<u>Number</u>		<u>Percent</u>	
Boston	3,124	3,594	29.6	37.7
Springfield	523	562	55.7	61.6
Worcester	461	643	67.6	52.7
Southeastern New England	1,415	1,532	72.1	63.8
Group total	5,523	6,331	39.1	45.0
MIDDLE ATLANTIC				
New York-New Jersey	5,320	7,209	10.8	14.9
Philadelphia	1,313	1,900	17.8	26.6
Group total	6,633	9,109	11.8	16.4
SOUTH ATLANTIC				
Wilmington	133	170	54.3	82.5
Upper Chesapeake Bay	1/	1,663	1/	70.1
Washington, D. C.	2,170	2,184	92.6	92.9
Wheeling	337	403	26.8	38.4
Clarksburg	4	20	.8	4.4
Tri-State	740	1,113	41.4	70.0
Bluefield	240	217	87.9	89.3
Appalachian	515	587	65.0	75.0
Southeastern Florida	106	101	100.0	100.0
Group total 2/	4,245	4,795	58.2	70.7
Group total		6,458		70.6
EAST NORTH CENTRAL				
<u>Eastern Group</u>				
Upstate Michigan	455	202	75.5	76.5
Muskegon	375	363	85.8	87.7
Southern Michigan 3/	7,006	7,252	48.4	51.4
Toledo	970	1,100	78.4	93.8
Northeastern Ohio	1,986	2,459	21.7	27.7
North Central Ohio	589	625	48.7	52.4
Columbus	612	963	36.1	64.3
Dayton-Springfield	1,411	1,608	70.7	84.1
Cincinnati	1,539	1,864	38.7	47.3
Group total	14,943	16,436	43.0	49.3
<u>Western Group</u>				
Michigan Upper Peninsula	103	96	13.0	14.0
Northeastern Wisconsin	1,137	1,175	84.4	88.6
Milwaukee	1,810	1,757	90.1	90.4
Rockford-Freeport	188	194	100.0	100.0
Chicago	13,650	15,119	71.2	80.0
South Bend-LaPorte-Elkhart	852	1,063	70.5	91.7
Fort Wayne	5	105	.6	12.4
Ohio Valley	1/	748	1/	75.3
Suburban St. Louis	1/	720	1/	44.1
Group total 2/	17,745	19,509	69.5	77.9
Group total		20,977		75.8

Continued

Table 2.--Number and percentage of producers having bulk milk tanks,
Federal milk order markets, January 1960 and January 1961 -Continued

Market	Number of		Percentage of	
	producers		all producers	
	1960	1961	1960	1961
	Number		Percent	
WEST NORTH CENTRAL				
Northern Group				
Duluth-Superior	448	515	39.6	47.8
Minneapolis-St. Paul	3,124	3,252	94.2	96.6
Eastern South Dakota	138	121	100.0	100.0
Sioux Falls-Mitchell	313	309	96.3	96.9
Black Hills	123	117	100.0	100.0
North Central Iowa	812	824	93.7	94.0
Cedar Rapids-Iowa City	659	715	93.5	100.0
Quad Cities-Dubuque 4/	617	732	59.8	94.8
Des Moines	645	955	55.7	92.3
Sioux City	171	176	100.0	100.0
Omaha-Lincoln-Council Bluffs	1,340	1,334	99.4	99.5
Platte Valley	340	349	97.4	98.0
Group total	8,730	9,399	81.8	91.5
Southern Group				
St. Louis	2,264	2,449	68.3	79.4
Ozarks	259	434	24.8	41.9
Kansas City	987	1,497	31.8	52.8
Neosho Valley	191	232	24.7	34.3
Wichita	834	820	83.5	85.6
Southwest Kansas	93	180	38.8	74.7
Group total	4,628	5,612	48.9	63.5
EAST SOUTH CENTRAL				
Louisville-Lexington 5/	1,905	2,124	99.0	92.1
Paducah	246	458	75.9	83.1
Nashville	855	1,160	61.6	78.3
Memphis	320	498	32.5	51.9
Knoxville	305	392	32.2	43.2
Chattanooga	528	679	74.1	99.6
Mississippi Delta	206	263	62.0	71.1
Central Mississippi	422	631	46.0	71.0
Mississippi Gulf Coast	57	193	14.1	42.8
Group total	4,844	6,398	61.1	74.4
WEST SOUTH CENTRAL				
Northern Group				
Central Arkansas	383	919	36.3	92.9
Fort Smith	23	137	9.8	67.5
Oklahoma Metropolitan	1,307	1,701	55.1	72.6
Red River Valley	395	426	67.8	76.5
Texas Panhandle	425	471	85.5	96.7
Group total	2,533	3,654	53.4	79.8

Continued

Table 2.--Number and percentage of producers having bulk milk tanks,
Federal milk order markets, January 1960 and January 1961 --Continued

Market	Number of producers		Percentage of all producers	
	1960	1961	1960	1961
	<u>Number</u>		<u>Percent</u>	
WEST SOUTH CENTRAL -Con.				
Southern Group				
Northern Louisiana	537	539	92.7	98.0
New Orleans	502	928	23.7	44.2
North Texas	2,040	2,241	76.7	87.4
Central West Texas	496	473	98.4	100.0
Austin-Waco	281	267	80.1	80.4
San Antonio	530	574	97.8	100.0
Corpus Christi	332	326	86.2	88.1
Group total	4,718	5,348	66.1	76.8
MOUNTAIN				
Great Basin	1,252	1,226	88.7	97.8
Western Colorado	89	84	73.0	72.4
Colorado Springs-Pueblo	276	324	75.2	90.8
Central Arizona	428	365	100.0	99.5
Group total	2,045	1,999	87.8	95.5
PACIFIC				
Puget Sound 6/	3,176	3,195	92.6	97.3
Inland Empire	641	621	86.7	95.1
Group total	3,817	3,816	91.6	97.0
TOTAL 2/	80,404	92,406	43.6	51.3
TOTAL		95,537		51.6

1/ Federal milk order not effective.

2/ 1961 figures based on only those markets for which data were also reported for 1960.

3/ Known as Detroit prior to February 1, 1960.

4/ Quad Cities and Dubuque combined prior to merger on January 1, 1961.

5/ Known as Louisville prior to March 1, 1960.

6/ Data reported for November of previous year.

Table --Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1960 and January 1961

Market	Bulk tanks		Cans		Ratio bulk to can	
	1960	1961	1960	1961	1960	1961
	Pounds		Pounds		Ratio	
NEW ENGLAND						
Boston	608	687	407	392	1.49	1.75
Springfield	740	776	331	371	2.24	2.09
Worcester	726	733	350	446	2.07	1.64
Southeastern N.England	921	981	415	390	2.22	2.52
Group total	711	771	402	395	1.77	1.95
MIDDLE ATLANTIC						
New York-New Jersey	1,041	1,072	494	502	2.11	2.14
Philadelphia	877	873	529	547	1.66	1.60
Group total	1,009	1,031	498	507	2.03	2.03
SOUTH ATLANTIC						
Wilmington	951	977	612	545	1.55	1.79
Upper Chesapeake Bay	1/	830	1/	428	1/	1.94
Washington, D. C.	1,078	1,123	522	506	2.07	2.22
Wheeling	573	568	278	288	2.06	1.97
Clarksburg	1,049	896	383	377	2.74	2.38
Tri-State	489	489	282	279	1.73	1.75
Bluefield	651	657	507	427	1.28	1.54
Appalachian	759	795	480	358	1.58	2.22
Southeastern Florida	13,021	13,948	0	0	---	---
Group total 2/	1,143	1,113	344	334	3.32	3.33
Group total		1,040		359		2.90
EAST NORTH CENTRAL						
Eastern Group						
Upstate Michigan	579	563	521	410	1.11	1.37
Muskegon	649	678	422	452	1.54	1.50
Southern Michigan 3/	788	796	386	384	2.04	2.07
Toledo	774	825	467	315	1.66	2.62
Northeastern Ohio	867	892	383	367	2.26	2.43
North Central Ohio	737	771	352	393	2.09	1.96
Columbus	798	783	390	371	2.05	2.11
Dayton-Springfield	674	711	317	301	2.13	2.36
Cincinnati	550	545	236	247	2.33	2.21
Group total	749	768	366	359	2.05	2.14
Western Group						
Michigan Upper Pen.	659	634	407	412	1.62	1.54
Northeastern Wisconsin	856	835	671	734	1.28	1.14
Milwaukee	851	864	567	579	1.50	1.49
Rockford-Freeport	802	847	0	0	---	---
Chicago	867	878	532	537	1.63	1.64
S.Bend-LaPorte-Elkhart	691	754	419	422	1.65	1.79
Fort Wayne	777	742	344	363	2.26	2.04
Ohio Valley	1/	572	1/	307	1/	1.86
Suburban St. Louis	1/	655	1/	349	1/	1.88
Group total 2/	853	865	500	493	1.71	1.75
Group total		848		467		1.82

Continued

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1960 and January 1961 - Continued

Market	Bulk tanks		Cans		Ratio bulk to can	
	1960	1961	1960	1961	1960	1961
	Pounds		Pounds		Ratio	
WEST NORTH CENTRAL						
Northern Group						
Duluth-Superior	579	577	321	326	1.80	1.77
Minneapolis St. Paul	811	832	666	638	1.22	1.30
Eastern South Dakota	757	828	0	0	---	---
Sioux Falls-Mitchell	858	865	538	550	1.59	1.57
Black Hills	914	1,050	0	0	---	---
North Central Iowa	883	917	579	584	1.53	1.57
Cedar Rapids-Iowa City	688	709	514	0	1.34	---
Quad Cities-Dubuque 4/	785	785	463	515	1.70	1.52
Des Moines	695	763	443	488	1.57	1.56
Sioux City	936	1,041	0	0	---	---
Omaha-Lincoln-C.Bluffs	630	691	328	300	1.92	2.30
Platte Valley	759	860	430	443	1.77	1.94
Group total	761	792	432	413	1.76	1.92
Southern Group						
St. Louis	655	667	339	336	1.93	1.99
Ozarks	670	547	322	346	2.08	1.58
Kansas City	956	944	461	443	2.07	2.13
Neosho Valley	747	738	451	484	1.66	1.52
Wichita	744	802	466	497	1.60	1.61
Southwest Kansas	968	1,015	592	504	1.64	2.01
Group total	745	764	415	413	1.80	1.85
EAST SOUTH CENTRAL						
Louisville-Lexington 5/	582	608	491	342	1.19	1.78
Paducah	493	444	270	371	1.83	1.20
Nashville	610	626	309	331	1.97	1.89
Memphis	957	862	446	428	2.15	2.01
Knoxville	807	772	411	395	1.96	1.95
Chattanooga	633	642	453	780	1.40	.82
Mississippi Delta	793	861	425	387	1.87	2.22
Central Mississippi	705	709	417	386	1.69	1.84
Mississippi Gulf Coast	729	603	314	280	2.32	2.15
Group total	640	650	385	370	1.66	1.76
WEST SOUTH CENTRAL						
Northern Group						
Central Arkansas	774	673	492	606	1.57	1.11
Fort Smith	921	741	439	404	2.10	1.83
Oklahoma Metropolitan	723	725	386	370	1.87	1.96
Red River Valley	839	930	506	530	1.66	1.75
Texas Panhandle	836	914	477	857	1.75	1.07
Group total	757	733	421	411	1.80	1.78

Continued

Table 3.--Average daily deliveries per producer by bulk tank and can shippers, Federal milk order markets, January 1960 and January 1961 -Continued

Market	Bulk tanks		Cans		Ratio bulk to can	
	1960	1961	1960	1961	1960	1961
	<u>Pounds</u>		<u>Pounds</u>		<u>Ratio</u>	
WEST SOUTH CENT. -Con.:						
Southern Group						
Northern Louisiana	707	824	469	515	1.51	1.60
New Orleans	771	771	387	371	1.99	2.08
North Texas	1,000	1,028	415	253	2.41	4.06
Central West Texas	962	1,019	591	0	1.63	---
Austin-Waco	1,153	1,149	522	458	2.21	2.51
San Antonio	1,245	1,217	1,034	0	1.20	---
Corpus Christi	1,166	1,215	610	607	1.91	2.00
Group total	983	997	418	358	2.35	2.78
MOUNTAIN						
Great Basin	779	844	508	806	1.53	1.05
Western Colorado	807	914	593	731	1.36	1.25
Colo. Springs-Pueblo	915	960	489	464	1.87	2.07
Central Arizona	2,842	3,344	0	1,015	---	3.29
Group total	1,230	1,322	512	666	2.40	1.98
PACIFIC						
Puget Sound 6/	822	893	325	346	2.53	2.58
Inland Empire	657	747	354	384	1.86	1.95
Group total	771	844	325	349	2.37	2.42
TOTAL 2/	833	854	448	452	1.86	1.89
TOTAL		849		450		1.89

1/ Federal milk order not effective.

2/ 1961 figures based on only those markets for which data were also reported for 1960.

3/ Known as Detroit prior to February 1, 1960.

4/ Quad Cities and Dubuque combined prior to merger January 1, 1961.

5/ Known as Louisville prior to March 1, 1960.

6/ Data reported for November of previous year.

Table 4.--Number of bulk milk tanks, according to size, Federal milk order markets where tank size was reported, January 1961

Market	Size of tank (gallons)						Total
	Under : 150	150- : 199	200- : 299	300- : 399	400- : 499	500- : more	
NEW ENGLAND				Number			
Boston	72	320	827	994	721	571	3,505
Springfield	31	98	163	136	77	54	559
Worcester	24	76	175	158	94	54	581
Southeastern N.England:	15	145	376	356	308	305	1,505
MIDDLE ATLANTIC							
Philadelphia	41	55	262	643	461	430	1,892
SOUTH ATLANTIC							
Wilmington	8	7	23	48	37	46	169
Washington, D. C.	7	157	622	733	395	271	2,185
Tri-State	45	214	437	253	97	54	1,100
Bluefield	4	32	62	61	25	31	215
Appalachian	1	31	102	159	84	76	453
Southeastern Florida	0	0	0	0	0	101	101
EAST NORTH CENTRAL							
<u>Eastern Group</u>							
Upstate Michigan	7	14	73	58	29	12	193
Muskegon	7	37	137	122	35	25	363
Southern Michigan	47	529	1,950	2,704	1,283	681	7,194
Toledo	8	117	376	278	211	110	1,100
Northeastern Ohio	25	73	590	787	587	368	2,430
North Central Ohio	14	58	271	148	89	40	620
Columbus	20	73	265	265	208	126	957
Dayton-Springfield	14	225	680	390	175	94	1,578
Cincinnati	106	354	762	388	166	88	1,864
<u>Western Group</u>							
Michigan Upper Pen.	1	7	33	36	12	7	96
Northeastern Wisconsin:	25	155	488	267	98	23	1,056
Milwaukee	42	206	260	70	14	3	595
S.Bend-LaP.-Elkhart	4	353	531	83	71	21	1,063
Fort Wayne	0	6	21	62	14	2	105
Ohio Valley	25	143	277	176	76	51	748
WEST NORTH CENTRAL							
<u>Northern Group</u>							
Duluth-Superior	22	40	197	191	45	20	515
Minneapolis-St. Paul	35	123	773	1,407	640	271	3,249
Eastern South Dakota	2	9	29	43	18	18	119
Sioux Falls-Mitchell	1	18	78	126	59	22	304
Black Hills	2	3	49	35	18	10	117
North Central Iowa	2	27	246	285	195	69	824
Cedar Rapids-Iowa City:	9	115	305	175	60	51	715
Quad Cities-Dubuque	0	46	257	280	112	37	732
Des Moines	3	49	280	302	137	184	955
Sioux City	0	0	8	34	74	58	174
Omaha-Lincoln-C.Bluffs:	25	150	552	364	120	123	1,334
Platte Valley	20	39	175	73	29	13	349

Continued

Table 4.--Number of bulk milk tanks, according to size, Federal milk order markets where tank size was reported, January 1961 -Continued

Market	Size of tank (gallons)							Total
	Under	150-	200-	300-	400-	500-		
	150	199	299	399	499	more		
WEST NORTH CENT. -Con.	Number							
<u>Southern Group</u>								
St. Louis	2	150	1,156	536	280	140	2,264	
Ozarks	0	0	25	66	95	73	259	
Kansas City	4	22	204	394	418	340	1,382	
Neosho Valley	2	8	47	50	87	38	232	
Wichita	33	90	344	205	107	41	820	
Southwest Kansas	0	2	22	29	38	85	176	
EAST SOUTH CENTRAL								
Louisville-Lexington	78	529	1,012	348	105	52	2,124	
Paducah	7	10	98	98	19	14	246	
Nashville	33	101	422	329	144	121	1,150	
Memphis	2	12	68	212	103	103	500	
Knoxville	9	36	107	113	57	64	386	
Chattanooga	22	109	205	184	76	86	682	
Mississippi Delta	1	5	35	65	71	88	265	
Central Mississippi	0	24	154	224	133	99	634	
Mississippi Gulf Coast	14	10	73	50	28	18	193	
WEST SOUTH CENTRAL								
<u>Northern Group</u>								
Central Arkansas	9	40	210	349	185	126	919	
Fort Smith	1	7	31	52	27	19	137	
Oklahoma Metropolitan	12	83	451	471	390	287	1,694	
Red River Valley	2	10	62	144	113	94	425	
Texas Panhandle	0	9	48	96	140	178	471	
<u>Southern Group</u>								
Northern Louisiana	8	9	119	187	100	104	527	
New Orleans	3	28	201	323	246	127	928	
Central West Texas	1	10	73	136	131	132	483	
Austin-Waco	2	7	48	61	55	99	272	
San Antonio	0	9	64	101	95	231	500	
Corpus Christi	0	14	48	86	72	117	337	
MOUNTAIN								
Great Basin	14	84	310	350	192	280	1,230	
Western Colorado	0	4	26	13	13	24	80	
Colo. Springs-Pueblo	1	17	65	107	41	93	324	
Central Arizona	24	19	54	107	78	83	365	
PACIFIC								
Puget Sound	75	397	1,015	838	414	423	3,162	
Inland Empire	19	23	158	206	113	102	621	
Total (70 markets) 1/	1,092	5,982	19,667	19,220	11,040	8,401	65,402	

1/ Total number of markets reporting. Also, size was not reported for all tanks in several markets.

Table 5.--Number of tank trucks, by type of owner, collecting milk from farm bulk tanks, Federal milk order markets, January 1961

Market	Milk companies	Cooperative associations of producers		Inde- pendent haulers	Other 1/	Total
		Operating plants	Not operating plants			
Number						
NEW ENGLAND						
Springfield	17	0	0	15	0	32
Worcester	20	0	0	17	37	74
Southeastern N.England	43	0	0	58	0	101
MIDDLE ATLANTIC						
Philadelphia	10	0	0	85	2	97
SOUTH ATLANTIC						
Wilmington	4	0	0	6	0	10
Upper Chesapeake Bay	7	3	7	64	0	81
Washington, D. C.	1	0	6	175	0	182
Wheeling	10	0	4	4	0	18
Clarksburg	0	0	0	2	0	2
Tri-State	5	2	5	35	0	47
Bluefield	4	0	6	1	0	11
Appalachian	1	0	22	0	0	23
Southeastern Florida	2	0	0	20	41	63
EAST NORTH CENTRAL						
<u>Eastern Group</u>						
Upstate Michigan	2	0	6	0	0	8
Muskegon	3	7	0	4	0	14
Southern Michigan	17	21	0	223	2	263
Toledo	0	0	0	54	0	54
Northeastern Ohio	6	10	26	100	0	142
North Central Ohio	9	0	0	19	0	28
Columbus	1	0	2	35	0	38
Dayton-Springfield	9	3	0	54	0	66
Cincinnati	4	0	0	69	0	73
<u>Western Group</u>						
Michigan Upper Pen.	6	0	0	1	0	7
Northeastern Wisconsin	20	0	0	40	4	64
Milwaukee	0	0	0	74	0	74
S.Bend-LaPorte-Elkhart	12	7	0	34	0	53
Fort Wayne	0	0	0	5	0	5
Ohio Valley	7	8	0	8	0	23
WEST NORTH CENTRAL						
<u>Northern Group</u>						
Duluth-Superior	3	5	0	10	0	18
Minneapolis-St. Paul	1	12	0	106	0	119
Eastern South Dakota	0	0	3	2	0	5
Sioux Falls-Mitchell	0	0	0	13	0	13
Black Hills	0	0	6	0	1	7
North Central Iowa	11	1	8	17	0	37
Cedar Rapids-Iowa City	4	30	0	0	0	34
Quad Cities-Dubuque	4	10	0	16	0	30
Des Moines	3	39	0	1	0	43
Sioux City	0	0	8	0	0	8
Omaha-Lincoln-C.Bluffs	0	0	2	62	0	64
Platte Valley	0	0	0	13	0	13

Continued

Table 5.--Number of tank trucks, by type of owner, collecting milk from farm bulk tanks,
Federal milk order markets, January 1961 -Continued

Market	Milk companies	Cooperative associations of producers		Inde- pendent haulers	Other 1/	Total 2/
		Operating plants	Not operating plants			
<u>Number</u>						
WEST NORTH CENTRAL -Con.						
<u>Southern Group</u>						
St. Louis	4	7	0	124	0	135
Kansas City	1	57	10	6	0	74
Neosho Valley	3	4	3	0	0	10
Wichita	0	7	1	23	2	33
Southwest Kansas	3	3	6	0	0	12
EAST SOUTH CENTRAL						
Louisville-Lexington	3	0	0	89	0	92
Nashville	7	0	41	0	0	48
Memphis	0	0	2	20	0	22
Knoxville	1	0	21	0	1	23
Chattanooga	8	0	18	0	0	26
Mississippi Delta	8	4	0	0	0	12
Central Mississippi	7	3	15	2	0	27
Mississippi Gulf Coast	0	2	4	0	0	6
WEST SOUTH CENTRAL						
<u>Northern Group</u>						
Central Arkansas	0	0	31	0	0	31
Fort Smith	0	0	5	0	0	5
Oklahoma Metropolitan	14	3	38	5	0	60
Red River Valley	7	1	15	0	1	24
Texas Panhandle	0	0	19	10	0	29
<u>Southern Group</u>						
Northern Louisiana	3	0	0	29	0	32
New Orleans	3	12	0	17	0	32
North Texas	7	12	98	14	0	131
Central West Texas	0	0	40	1	0	41
Austin-Waco	11	2	0	2	1	16
San Antonio	4	0	19	4	30	57
Corpus Christi	4	0	0	12	10	26
MOUNTAIN						
Great Basin	8	22	22	0	0	52
Western Colorado	2	0	0	2	0	4
Colo. Springs-Pueblo	3	7	0	19	0	29
Central Arizona	19	4	0	19	8	50
PACIFIC						
Puget Sound	19	49	2	42	3	115
Inland Empire	6	8	1	6	0	21
TOTAL (71 markets)	401	365	522	1,888	143	3,319

1/ Independent producers or cooperative producer hauling associations.

2/ Total number of markets reporting.

Table 6.--Percentage of bulk tank truck routes on which milk is collected every other day and percentage of can routes on which milk is collected daily, Federal milk order markets, January 1961

Market	Routes		Market	Routes	
	Bulk	Can		Bulk	Can
	every other day	daily		every other day	daily
	Percent			Percent	
NEW ENGLAND			WEST NORTH CENT. -Con.		
Boston	99	99	Northern Group -Con.		
Springfield	97	99	Des Moines	100	100
Worcester	93	90	Sioux City	98	0
Southeastern N.England	87	78	Omaha-Lincoln-C.Bluffs	99	100
			Platte Valley	95	100
MIDDLE ATLANTIC					
New York-New Jersey	95	100	Southern Group		
Philadelphia	96	100	St. Louis	100	100
			Ozarks	100	100
SOUTH ATLANTIC			Kansas City	100	100
Wilmington	60	100	Neosho Valley	100	100
Upper Chesapeake Bay	100	100	Wichita	100	100
Washington, D. C.	71	98	Southwest Kansas	97	100
Wheeling	85	96			
Clarksburg	0	96	EAST SOUTH CENTRAL		
Tri-State	99	90	Louisville-Lexington	96	90
Bluefield	100	100	Paducah	100	100
Appalachian	98	100	Nashville	100	100
Southeastern Florida	55	0	Memphis	100	100
			Knoxville	74	66
EAST NORTH CENTRAL			Chattanooga	100	100
Eastern Group			Mississippi Delta	94	72
Upstate Michigan	100	100	Central Mississippi	91	79
Muskegon	100	100	Mississippi Gulf Coast	100	100
Southern Michigan	92	99			
Toledo	99	100	WEST SOUTH CENTRAL		
Northeastern Ohio	90	100	Northern Group		
North Central Ohio	99	99	Central Arkansas	100	100
Columbus	99	100	Fort Smith	100	100
Dayton-Springfield	100	100	Oklahoma Metropolitan	95	100
Cincinnati	99	99	Red River Valley	100	60
			Texas Phanhandle	100	100
Western Group					
Mich. Upper Peninsula	100	100	Southern Group		
Northeastern Wisconsin	68	100	Northern Louisiana	100	60
Milwaukee	61	100	New Orleans	100	99
S.Bend-LaPorte-Elkhart	80	100	North Texas	92	100
Fort Wayne	100	100	Central West Texas	98	0
Ohio Valley	100	100	Austin-Waco	95	100
Suburban St. Louis	100	100	San Antonio	100	0
			Corpus Christi	82	100
WEST NORTH CENTRAL					
Northern Group			MOUNTAIN		
Duluth-Superior	100	62	Great Basin	94	60
Minneapolis-St. Paul	98	99	Western Colorado	100	100
Eastern South Dakota	100	0	Colo. Springs-Pueblo	100	100
Sioux Falls-Mitchell	99	100	Central Arizona	25	100
Black Hills	91	0			
North Central Iowa	100	100	PACIFIC		
Cedar Rapids-Iowa City	100	0	Puget Sound	97	50
Quad Cities-Dubuque	96	100	Inland Empire	100	0





Growth Through Agricultural Progress